

In the specification:

On page 1, please change the title to:

B2

**ROCK BORING DEVICE WITH AN OSCILLATING AND  
NUTATING ROTARY DISC CUTTER**

On page 6, Please replace the paragraph beginning on line 21 with the following:

Currently the pressure bulb area or disc to rock contact zone is cooled and airborne dust is controlled by the addition of low pressure water (Less than 10 Bar) applied through the disc via a series of holes. This coolant could also be applied from an external source so that it is directed to contact the tip of the disc area. It may be possible to increase the performance of the system by directing high-pressure water (Probably above 200 Bar) at the pressure bulb area. This jet could be applied either perpendicular to the direction of travel, or in line with the axis of travel, or any angle in between. The water jet indicated as "17" --7-- in Figure 2 may enter the crack that is propagating from the pressure bulb and apply a force in equal and all directions, thereby forcing the rock chip to break to the free air side.